

STATEMENT OF BASIS (AI No. 41229)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0125113 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Delcambre Seafood Market, Inc.
P.O. Box 307
Delcambre, LA 70528

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Kelli Hamilton

DATE PREPARED: March 23, 2010

1. PERMIT STATUS

A. Reason For Permit Action:

Issuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

The facility was issued LPDES permit LA0108855, which was effective January 1, 2004. The facility ceased operations after Hurricane Rita (September 2005). LPDES permit LA0108855 was terminated July 6, 2008.

B. Date Application Received: February 19, 2010

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - seafood processing facility

This facility is an existing seafood processing facility which sorts, peels, washes, de-veins, de-heads, and packs shrimp. Sanitary wastewater is discharged to the public sewer system.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II (BPJ points to 0 as per administrative decision)
3. Wastewater Type: II
4. SIC code: 2092

C. LOCATION - 302 Isadore St. in Delcambre, Iberia Parish
Latitude 29°56'48", Longitude 91°58'58"

Statement of Basis for
Delcambre Seafood Market, Inc.
LA0125113, AI No. 41229
Page 2

3. OUTFALL INFORMATION

Outfall 001

Discharge Type: process wastewater, and shrimp unloading tank wastewater
Treatment: hydrocell screen
Location: at the point of discharge from the hydrocell screen
Flow: 37,000 gpd
Discharge Route: Bayou Carlin

4. RECEIVING WATERS

STREAM - Bayou Carlin

BASIN AND SEGMENT - Vermilion-Teche River Basin, Segment 060902

DESIGNATED USES - a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife

5. TMDL STATUS

Subsegment 060902, Bayou Carlin-From Lake Peigneur to Bayou Petite Anse; also called Delcambre Canal (Estuarine), is not listed on LDEQ's Final 2006 303(d) list as impaired. However, subsegment 060902 was previously listed as impaired for suspended solids/turbidity/siltation and carbofuran for which the below TMDL's have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDL's and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDL's have been established for subsegment 060902:

Suspended Solids/Turbidity/Siltation

As per the TMDL for TSS, Turbidity and Siltation for the 15 Subsegments in the Vermilion River Basin which was finalized on May 5, 2002, point sources do not represent a significant source of TSS as defined in this TMDL. Because effective policies are in place to limit TSS discharges, no specific reductions from point sources are required. Point sources discharge primarily organic TSS, which does not contribute to habitat impairment resulting from sedimentation. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions.

Statement of Basis for
Delcambre Seafood Market, Inc.
LA0125113, AI No. 41229
Page 3

As per the October 2000 LA TMDL Delist (Federal Register Notice: Vol. 66, Num. 66, pages 18087-18089, 4/5/2001), assessment of new data and information shows this segment is meeting water quality standards for turbidity. Therefore, requirements for turbidity will not be placed in this permit.

Carbofuran

According to the TMDL for the Pesticide Carbofuran in the Mermentau and Vermilion Teche River Basins which was finalized on March 21, 2002, there was one point source in the Vermilion-Teche (FMC Corp. LA0064360) but they did not discharge Carbofuran. Therefore, no allocation was given to point source discharges in the Vermilion-Teche River Basin for the pesticide Carbofuran. This facility is not expected to discharge pesticides.

6. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

No records of recent compliance actions were found.

7. ENDANGERED SPECIES

The receiving waterbody, Subsegment 060902 of the Vermilion-Teche River Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated January 5, 2010 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

8. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

9. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

Statement of Basis for
Delcambre Seafood Market, Inc.
LA0125113, AI No. 41229
Page 4

10. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

11. STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 2092 are considered to have storm water discharges associated with industrial activity.

For first time permit issuance, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. **For renewal permit issuance**, the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility. (see Narrative Requirements for the AI)

Statement of Basis for
 Delcambre Seafood Market, Inc.
 LA0125113, AI No. 41229
 Page 5

Rationale for Delcambre Seafood Market, Inc.

1. **Outfall 001** process wastewater, and shrimp unloading tank wastewater (estimated flow is 37,000 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (lb/day)	<u>Reference</u>
Flow-MGD	Report:Report	LAC 33:IX.2707.I.1.b
BOD ₅	250:630	40 CFR 408.125
TSS	100:250	40 CFR 408.125
Oil & Grease	16:40	40 CFR 408.125
pH (su)	6(min):9(max)	40 CFR 408.125

Treatment: hydrocell screen

Monitoring Frequency: monthly

Limits Justification: Limits are based on the Canned and Preserved Seafood Processing Point Source Category Effluent Limitation Guidelines (ELG), Subpart L - Southern Non-Breaded Shrimp Processing in the Contiguous States, 40 CFR 408.125. As per the application, the facility anticipates processing 10,000 lbs of shrimp per day. Production-based limits were calculated as follows:

Daily Maximum BOD₅ Limit

63 lbs BOD₅ * 10,000 lbs/day product/1,000 = 630 lbs/day

Monthly Average BOD₅ Limit

25 lbs BOD₅ * 10,000 lbs/day product/1,000 = 250 lbs/day

Daily Maximum TSS Limit

25 lbs TSS * 10,000 lbs/day product/1,000 = 250 lbs/day

Monthly Average TSS Limit

10 lbs TSS * 10,000 lbs/day product/1,000 = 100 lbs/day

Daily Maximum Oil and Grease Limit

4 lbs O&G * 10,000 lbs/day product/1,000 = 40 lbs/day

Monthly Average Oil and Grease Limit

1.6 lbs O&G * 10,000 lbs/day product/1,000 = 16 lbs/day

* Existing permits for similar outfalls

BPJ Best Professional Judgement

su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.